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Beth Pearson-Naul

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
Arjun Selvakumar et al.

Serial No.: 09/914,421

Filed: January 22, 2002

Title: "Low Stress Die Attachment"

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Group Art Unit: 2831

Examiner: Hung V. Ngo

Attorney Docket: IO-1015US

Confirmation No.: 5380

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**REQUEST FOR CONTINUED EXAMINATION AND
RESPONSE TO OFFICE ACTION, DATED JULY 7, 2003**

This is in response to the Final Office Action, dated July 7, 2003 for the above-identified patent application. Filed herewith is a Request for Continued Examination and the required fee. Please amend the application as follows:

Amendments to the Description

Please replace the paragraph beginning on page 10, line 27 with the following:

The mass 104 is preferably resiliently attached to the package 102 by the resilient couplings 108 and electrically coupled to the package 102 by the electrical connections 112. The mass 104 preferably has an approximately rectangular cross-sectional shape. In a preferred embodiment, the mass 104 is a micro machined sensor substantially as disclosed in copending U. S. Patent Application Serial No. [[____]] 09/936,640, Attorney Docket No. 14737.737, filed on [[____]] September 12, 2001, the disclosure of which is incorporated herein by reference.

Please replace the paragraph beginning on page 23, line 12 with the following:

The mass 204 is preferably resiliently attached to the package 202 by the resilient couplings 208 and electrically coupled to the package 202 by the electrical connections 212. The mass 204 preferably has an approximately rectangular cross-sectional shape. The mass 204 preferably has a passive region 250 on one end and an active region 256 at the opposite end. In a preferred embodiment, the mass 204 includes a first member 230, a second member 232, and a third member 234. The first member 230 is preferably on top of the second member 232 and the second member 232 is preferably on top of the third member 234. In a preferred embodiment, the first member 230, the second member 232, and the third member 234 are a micro machined sensor substantially as disclosed in copending U. S. Patent Application Serial No. [[____]] 09/936,640, Attorney Docket No. 14737.737, filed on [[____]] September 12, 2001, the disclosure of which is incorporated herein by reference. The first member 230 preferably includes one

or more parallel planar surfaces. In a preferred embodiment, the first member includes a top parallel planar surface 236. The second member 232 preferably includes one or more parallel planar surfaces. In a preferred embodiment, the second member 232 includes a middle parallel planar surface 238. The third member 234 preferably includes one or more parallel planar surfaces. In a preferred embodiment, the third member 234 includes a bottom parallel planar surface 240. The bottom parallel planar surface 240 of the mass 204 preferably includes a first side 242, a second side 244, a third side 246, and a fourth side 248. The first side 242 and the third side 246 are preferably approximately parallel to each other and the second side 244 and the fourth side 248 are preferably approximately parallel to each other and preferably approximately perpendicular to the first side 242 and the third side 246.

Please replace the paragraph beginning on page 36, line 3 with the following:

The mass 304 is preferably resiliently attached to the package 302 by the resilient couplings 308 and electrically coupled to the package 302 by the electrical connections 310. The mass 304 preferably has an approximately rectangular cross-sectional shape. The mass 304 preferably includes all active regions. In a preferred embodiment, the mass 304 is a micro machined sensor substantially as disclosed in copending U. S. Patent Application Serial No. [[_____]] 09/936,640, Attorney Docket No. 14737.737, filed on [[_____]] September 12, 2001, the disclosure of which is incorporated herein by reference.

Please replace the paragraph beginning on page 48, line 7 with the following:

In a preferred embodiment, the mass 404 includes a first member 440, a second member 442, and a third member 444. The first member 440 is preferably on top of the second member 442 and the second member 442 is preferably on top of the third member 444. In a preferred embodiment, the first member 440, the second member 442, and the third member 444 are a micro machined sensor substantially as disclosed in copending U. S. Patent Application Serial No. [[____]] 09/936,640, Attorney Docket No. 14737.737, filed on [[____]] September 12, 2001, the disclosure of which is incorporated herein by reference. The first member 440 preferably includes one or more parallel planar surfaces. In a preferred embodiment, the first member 440 includes a top parallel planar surface 446.

Please replace the paragraph beginning on page 60, line 4 with the following:

The mass 504 is preferably resiliently attached to the package 502 by the resilient couplings 508 and electrically coupled to the package 502 by the electrical connections 510. The mass 504 preferably has an approximately rectangular cross-sectional shape. The mass 504 preferably has a passive region 538 on one end and an -active region 540 on the opposite end. In a preferred embodiment, the mass 504 is a micro machined sensor substantially as disclosed in copending U. S. Patent Application Serial No. [[____]] 09/936,640, Attorney Docket No. 14737.737, filed on [[____]] September 12, 2001, the disclosure of which is incorporated herein by reference.

Please replace the paragraph beginning on page 60, line 4 with the following:

In a preferred embodiment, the mass 604 includes a first member 628, a second member 630, and a third member 632. The first member 628 is preferably on top of the second member 630 and the second member 630 is preferably on top of the third member 632. In a preferred embodiment, the first member 628, the second member 630, and the third member 632 are a micro machined sensor substantially as disclosed in copending U. S. Patent Application Serial No. [[_____]] 09/936,640, Attorney Docket No. 14737.737, filed on [[_____]] September 12, 2001, the disclosure of which is incorporated herein by reference.